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AGRICULTURAL LIBRARIES INFORMATION NOTES

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LABORATORY FOR INFORMATION SCIENCE IN AGRICULTURE (LISA)

Plant germplasm is the base for productive agriculture. It is the genetic raw material required by breeders for the development of new, superior crop varieties that can ensure a stable, plentiful supply of food, feed and fiber having desirable qualities. Acquisition, preservation, evaluation, and distribution activities of U.S. germplasm resources are coordinated by the National Plant Germplasm System (NPGS).

A feasibility study was conducted during 1976-77 which investigated and identified the need for information management systems in the efficient collection, conservation, distribution and utilization of plant germplasm in the National Plant Germplasm System.

The USDA Science and Education/Agricultural Research Service signed a cooperative agreement with the Laboratory for Information Science in Agriculture (LISA) to develop a computer-based information system. This led to the formation of the Germplasm Resources Information Project (GRIP).

Analysis of the diverse needs of the NPGS community, its abundant information resources and the necessary management and use of those resources led to identification of two basic groups of information users within the NPGS -- those who supply and those who demand information. "Suppliers" are those who acquire, maintain, and distribute germplasm and data -- such as curators, and staff of the National Seed Storage Laboratory (NSSL) and various plant introduction stations. The "demand" group is composed of those who use germplasm and data -- such as plant breeders, scientists, and researchers. The needs of both groups were identified and small-scale operational prototypes of the system were developed and installed at such NPGS sites as the Regional Plant Introduction Stations. Testing and evaluation of these prototypes (including consideration of user responses and suggestions) then led to the information system's user-oriented design. Among the ways the Information System will serve the supply side will be by providing mechanisms or tools to register accessions as they enter the NPGS, maintain seed inventories, monitor viability of collections, process seed orders, exchange

information with other "suppliers," and generate summary reports. The System will allow the demand side to receive information on accessions (including characteristic data and use, and location in the system) as well as requested samples on a timely basis.

The now completed design phase and start of a four-phased implementation will bring the transformation of GRIP to GRIN – the Germplasm Resources Information Network – and continued growth of information management and use in the NPGS.

The Information Network will include not only computer hardware and software, but also people performing specialized tasks, work procedures, and administrative and policy functions. GRIN has been designed to accomodate growth of the NPGS and changing needs brought about by that growth – including additional Information System features and more NPGS facilities and users. This flexibility in fulfilling many critical needs is the key to GRIN's anticipated success and continued evolution.

Diversity, a news journal for the genetic resources community, published its first issue in April 1982.

It will provide news and information to private and public sector scientists and administrators, government agencies, Federal and state legislatures, non-profit organizations and related publications. The publication will report on collecting expeditions, U.S. and international political developments related to national and international agriculture policy, and private industry involvement in the National Plant Germplasm System (NPGS). It will also provide readers with conference and committee meeting schedules and results. In addition, commentary from leaders in the community and indepth articles will be featured. The news journal is being published by the Laboratory for Information Science in Agriculture.

Readers will also find the *Special Report of the National Plant Germplasm System* (no. 1, April 1982) informative.

For more information or complimentary first issues, please contact:

Mary E. Roberts, *Diversity*
302 Aylesworth Hall
Colorado State University
Fort Collins, CO 80523
(303) 491-5863

– Extracted from *Special Report*
No. 1, April 1982, of the
National Plant Germplasm System.



NEW PUBLICATIONS OF NOTE

Computer-Readable Bibliographic Data Bases: A Directory and Data Sourcebook. American Society for Information Science. Martha E. Williams. White Plains, New York, Knowledge Industry Publications, Inc., 1982. 1400 p. \$123.00. Order from Publisher, 701 Westchester Avenue, White Plains, NY 10604.

Directory of Financial Aids for International Activities. Sally Nelson. 3rd. ed. Minneapolis, MN, Office of International Programs, University of Minnesota, 1981. 443 p. \$22.00. Order from Publisher, 201 Nolte West, 315 Pillsbury Drive S.E., Minneapolis, MN 55455.

Easy Composting. Vic S. Sussman. Emmaus, PA, Rodale Press, 1982. 1 v. \$6.95. Order from Publisher. ISBN: 0-87857-385-2.

Emerging Issues in Wetland/Floodplain Management. Jon A. Kusler. Washington, D.C., U.S. Water Resources Council, 1982. 41 p. Free. Available from the Council, 2120 L Street, N.W., Washington, D.C. 20037.

Farmland or Wasteland, A Time to Choose. R. Neil Sampson. League City, TX, National Association of Conservation Districts, 1982. 422 p. \$16.95. Available from NACD, P.O. Box 855, League City, TX 77573.

International Directory of Agricultural Education Institutions. Burton E. Swanson, et al. Urbana-Champaign, IL, Bureau of Educational Research, University of Illinois at Urbana-Champaign, 1981. 3 v. \$20.00. Order from International Agricultural Education Directory, 357 Education Building, University of Illinois at Urbana-Champaign, 1310 South Sixth Street,


Champaign, IL 61820. All requests should specify which volume(s) is being ordered

Volume I - Africa	\$ 5.00
Volume II - Latin America	5.00
Volume III - Asia	<u>10.00</u>
The Three Volume Set	\$20.00

Inventory of Research, Extension, and Higher Education Related to Food and Agriculture Conducted by Federal Agencies Other Than USDA. FY 81. (Washington, D.C.) U.S. Department of Agriculture, Science and Education, Policy Analysis and Coordination Staff, March 1982. 121 p. Not available for general distribution. NAL has a limited number for distribution to land-grant agricultural libraries.

1981-82 Directory of Professional Workers in State Agricultural Experiment Stations and Other Cooperating State Institutions. Washington, D.C., U.S. Department of Agriculture, Science and Education, Cooperative State Research Service, 1982. 234 p. (Agricultural Handbook No. 305). \$6.50. Order from The Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Stock no. 001-000-04273-4.

The Politics of Wilderness Preservation. Craig Willard Allin. Westport, CT, Greenwood Press, 1982. 256 p. (Contributions in Political Science, No. 64). \$27.50. Order from Publisher.

Problems of Identifying Training Needs for Library and Information Services in a Predominately Non-Literate Society -- with Particular Reference to Agricultural and Rural Development. B. Olabimpe Aboiyade. The Hague, Netherlands, Federation Internationale de Documentation. 50 Dutch guilders. Order from FID, P.O. Box 30115, 2500 GO, The Hague, Netherlands. 

DEVELOP SEARCH SERVICE

DEVELOP is a computer-based information resource created under grants from Control Data Corporation (P.O. Box O, Minneapolis, Minnesota 55440, USA) to a number of development related institutions. The objective is to meet the needs of developing agricultural and industrial economies in finding information, transferring knowledge, and obtaining and using technologies more efficiently.

The database is designed to meet these information needs in the areas of alternative energy, small farms agriculture, development technologies, and small enterprise development. DEVELOP offers information on agriculture and food production, business and industry, conservation, education and sociotechnology development, water energy and power, health and medicine, housing, infrastructure, etc.

The major focus of DEVELOP is on nonbibliographic information, such as description of projects and research in progress, products, technologies, educational courses, organizations, and consultants which have relevance for developing countries. Some literature items are included but are not the major focus of the database.

DEVELOP combines a systematic search-and-find operation with the storage-and-access capabilities of Control Data's computer network. The DEVELOP Information Service offered through the Denver Research Institute (DRI) provides searches in easy-to-read typed or computer printout format.

As an introductory offer and to familiarize new users with the kinds of information available in the database, DRI is offering two free searches. A User Handbook and a registration form are available from DEVELOP Information Service, Denver Research Institute, Social Systems Research Evaluation, University of Denver, Box 10127, Denver, CO 80210 U.S.A.

Costs of subsequent searches will run between \$US 25-100 or the equivalent in information exchange.

Control Data and DRI are prepared to accept unique information supplied by a requesting organization about its own research, technologies, projects, products, and reports in payment for searches. The information will be added to the DEVELOP database for others to use.

The National Agricultural Library requested two searches from DEVELOP in order to test the system. A search on small wood-lot management produced a total of 35 descriptions of units, including technology, research in progress, who's who, products, and literature reference. Few units specifically described small wood-lot management but did describe related aspects.

A second search on computer applications in agriculture produced 37 units of information. All were applicable to the subject searched. The units of information included descriptions of projects, personal contacts, and literature references when available. The projects described were located largely in land-grant libraries, but did include some from non-land-grants and the private sector.

Most of this information is available in other automated files. The value lies in the individual not having to search multiple files, some of which may not be available.

For more information on DEVELOP contact DEVELOP Information Service, Denver Research Institute, Social Systems Research Evaluation, University of Denver, P.O. Box 10127, Denver, CO 80210 U.S.A. (303) 753-3126. (Please ask to speak to either Linda Brannan or Judith Blum). Requests made by TWX should be sent to: TWX 910 931 0586 UDRESEARCH/DVR (Denver, CO, U.S.A.), Attn: SSRE, DEVELOP Information Service. Requests made by cable should be sent to: DRI SEARCH (Denver, CO, U.S.A.), Attn: SSRE, DEVELOP Information Service.



EXAMPLES OF UNITS OF INFORMATION FROM DEVELOP

T555804 UNIT LISTING. 82/05/06. 81/06/30. 82/03/31.

SEEDING PINYON-JUNIPER RANGES

FOR SUCCESSFUL SEEDING IN THE PINYON-JUNIPER WOODLAND TYPE, CONTROL OF THE TREE OVERSTORY IS NECESSARY. THE RANGE MAY BE SEEDING DURING TREE CONTROL OPERATIONS, ESPECIALLY WITH CHAINING. SEEDS USUALLY ARE BROADCAST WITH A MECHANIZED SEEDER AND COVERED WITH A HARROW, CHAIN OR SIMILAR EQUIPMENT. WHERE TREES ARE DOUBLE CHAINED, SEEDS USUALLY ARE AERIALY BROADCAST BETWEEN FIRST AND SECOND CHAINING. ANOTHER PRACTICE IS TO DISTRIBUTE SEEDS IN THE FITS AND DISTURBED SOIL WHERE TREES HAVE BEEN DOZED.

SEEDS CAN BE DISTRIBUTED AND PLANTED WITH A DRILL ONLY WHERE THE LAND HAS BEEN CLEARED OF DEBRIS. IN SOME AREAS UNWANTED UNDERSTORY VEGETATION MUST BE ELIMINATED BEFORE DRILLING. PLOWING HAS BEEN THE BEST SEEDBED PREPARATION METHOD, THEN CONVENTIONAL DRILLING USING DOUBLE-DISK FURROW OPENINGS WITH DEPTH BANDS. ON NONTILLED SEEDBEDS, FURROW DRILLING WITH FURROWS MORE THAN 12 INCHES WIDE AND DEEPER THAN 2 INCHES CAN GIVE BETTER SEEDLING ESTABLISHMENT THAN CONVENTIONAL DRILLING

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T555874 UNIT LISTING. 82/05/06. 81/07/29. 82/03/31.

TIMBER PRODUCTS FROM PINYON-JUNIPER WOODLAND

PRINCIPAL WOOD PRODUCTS OF PINYON-JUNIPER WOODLAND ARE FIREWOOD, FENCEPOSTS, AND CHARCOAL; OTHER PRODUCTS INCLUDE PINYON NUTS AND CHRISTMAS TREES. FIREWOOD YIELDS VARY WITH DENSITY, AGE, AND COMPOSITION OF THE STAND. REPORTED YIELDS AVERAGE 11.4 CORDS PER ACRE. JUNIPER FENCEPOSTS HAVE BEEN AN IMPORTANT PRODUCT OF THE PINYON JUNIPER, BECAUSE OF THEIR OUTSTANDING NATURAL DURABILITY. HOWELL (1949) ESTIMATED ABOUT 46 POSTS PER ACRE IN UNCUT STANDS IN ARIZONA AND NEW MEXICO. MAKING CHARCOAL FROM PINYON AND JUNIPER IS A SPECULATIVE VENTURE. YIELDS OF 30 TO 35 PERCENT HAVE BEEN OBTAINED. THE PINYON NUT CROP AVERAGES 1 TO 2 MILLION POUNDS ANNUALLY. PINYON TREES PRODUCE NUTS ONLY AT INTERVALS OF 4 TO 7 YEARS. CROP YEARS DIFFER FROM AREA TO AREA, HOWEVER, SO THAT GOOD CROPS OCCUR SOMEWHERE EVERY YEAR. THE BETTER NATURAL STANDS MAY YIELD 300 POUNDS OF NUTS PER ACRE DURING A GOOD YEAR. PINYONS ARE A POPULAR CHRISTMAS TREE. MORE THAN 6,000 SALABLE CHRISTMAS TREES WERE FOUND ON A 640-ACRE AREA IN NORTHERN ARIZONA, AND AN ADDITIONAL 3,000 SMALL TREES (UP TO 3 FEET) WERE JUDGED TO BE SALABLE IN THE FUTURE.

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T555801 UNIT LISTING. 82/05/06. 81/06/30. 82/03/31.

METHODS OF CONTROLLING PINYON-JUNIPER TREES

MOST STUDIES HAVE SHOWN THAT AS TREE OVERSTORY INCREASES, FORAGE DECREASES. LARGE-SCALE EFFORTS HAVE BEEN UNDERTAKEN TO CONVERT WOODLAND TO GRASSLAND. CONTROL METHODS MAY BE CLASSIFIED AS: 1) MECHANICAL, 2) CHEMICAL, AND 3) BURNING.

THE BENEFITS FROM CLEARING WERE READILY APPARENT. UNDER DENSE STANDS OF TREES HERBAGE PRODUCTION WAS LESS THAN 100 POUNDS PER ACRE WHEREAS AFTER CLEARING, PRODUCTION INCREASED TO MORE THAN 600 POUNDS PER ACRE. THE INCREASE IN PRODUCTION WAS GRADUAL: 350 POUNDS PER ACRE 3 YEARS AFTER CONTROL, 500 POUNDS IN 5 YEARS AND 650 POUNDS IN 10 YEARS.

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NEW BIBLIOGRAPHIES

A Bibliography of the Sugarcane Borer, Diatraea Saccharalis (Fabricius), 1887-1980. Richard M. Roe. New Orleans, U.S. Department of Agriculture, Agricultural Research Service, 1981. 101 p. (Agricultural Reviews and Manual ARM-S-20). Free. Order from U.S. Sugarcane Field Research Laboratory, P.O. Box 470, Houma, LA 70361. (NAL call no.: AS21.A75U65 No. 20).

Forest Land Use: An Annotated Bibliography of Policy, Economic, and Management Issues, 1970-1980: A Conservation Foundation Report. William E. Shands. Washington, D.C., The Foundation, 1981. 62 p. \$7.00. Order from Publisher, 1717 Massachusetts Ave., N.W., Washington, D.C. 20036. ISBN: 0891640673.

Forestry Resources Development Assistance: A Selective Bibliography of Reports. Produced jointly by Office of Development Information and Utilization, Office of Science and Technology, Office of Agriculture, Bureau for Development Support, Agency for International Development. Washington, D.C., The Agency, 1980. 68 p. 58 citations. Free. Order from Agency for International Development, BDS/ODI&U, Room 1656NS, Washington, D.C. 20523. (NAL call no.: Z5991.F67).

Impacts of Backcountry Recreation: Site Management and Rehabilitation - An Annotated Bibliography. David N. Cole and Edward G.S. Schreiner. Ogden, Range Experiment Station, 1981. 58 p. 348 annotated and 53 non-annotated citations. (USDA Forest Service General Technical Report INT-121). Free. Order from Publisher, 325 - 25th Street, Ogden, UT 84401.


Indian Literature on Pulses, (1966- 1980): A Select Bibliography. U.C. Upadhyay. New Delhi, Metropolitan Book Co. Pvt. Ltd, 1981. 407 p. \$40.00. Order from D.K. Agencies, International Booksellers & Subscriptions Agents, H-1 Bali Nagar, Delhi-110015, India.

Indian Literature on Vegetable Crops (1966-1980): A Select Bibliography. V.K. Patil, R. Subbaiah, V.S. Tamberwade. New Delhi, Metropolitan, 1981. 1st ed. 558 p. 4,209 citations. Price unavailable. Order from Publisher, 1-Netaji Subhash, Marg, New Delhi 11002, India. (NAL call no.: Z5996.V4P38 1981).

Land Drainage, Fisheries and Aquatic Environment Bibliography: A Literature Source for the Use of Fisheries, Recreation and Amenity Staff. Neville A. Jones. Brecon, Welsh Water Authority, 1980. 20 p. Price unknown. Order from Publisher, Cambrian Way, Brecon, Powys LD3 7HP. ISBN: 0-86097- 069-8.

A Selected Bibliography on Alcohol Fuels (1901 Through November 1981). Marilyn J. Shartran. Golden, CO, Solar Energy Research Institute, 1982. 475 p. 1,000 citations. Printed copy \$14.00; microfiche \$4.00. Order from SERI, 1617 Cole Blvd., Golden, CO 80401. Available in microfiche from National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, VA 22161. Stock Number: SERI/SP-290-1414.

Solar Energy Legal Bibliography. Stephen Weiner. Prepared for the U.S. Department of Energy. Golden, CO, Solar Energy Research Institute, 1981. Second update. 108 p. 100 citations. Printed copy \$6.50; microfiche \$3.00. Order from Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, VA 22161. (NAL call no.: Z5853.863863 1981).

Storage of High-Moisture Grain Treated with Chemicals, A Bibliography. Y. Pomeranz. Manhattan, Kansas, U.S. Grain Marketing Research Center, ARS, 1982. 17 p. 1,118 citations. Free. Order from Center, 1515 College Avenue, Manhattan, KS 66502. 

QUICK BIBLIOGRAPHY SERIES

The bibliographies in this series are primarily computerized online or batch bibliographies emanating from searches performed by the NAL Reference Staff in response to customer requests.

Searches are selected for inclusion based on the currency of the topic, interest among clientele, relative length and probable value to a larger audience. All titles in this series will be listed for six months. Revisions or updates will be renumbered and reannounced. Only one copy of a title will be sent; however, requestors may make copies. To request a copy of a Quick Bibliography send the title, series number, and a return addressed label to:

Reference Branch, Room 111
National Agricultural Library
Beltsville, MD 20705

NAL--Q.B.--82-02. *Energy Conservation in Greenhouses*, 1979-February 1982.

223 citations from AGRICOLA.

Searched by Charles Bebee. March 1982. Supersedes 80-03.

NAL--Q.B.--82-03. *Nonpoint Source Pollution: An Agricultural Concern*, 1970-1982. 180 citations from

AGRICOLA. Searched by Jayne T. MacLean. April 1982.

NAL--Q.B.--82-04. *Fluid Drill Planting*, 1974-1982. 35 citations from

AGRICOLA. Searched by Jayne T. MacLean. April 1982.

NAL--Q.B.--82-05. *Mini and Micro Computers in Agriculture*, 1972-1981.

171 citations from AGRICOLA.

Searched by Maria Pisa. April 1982.

NAL--Q.B.--82-06. *Earthworms: Raising, Uses, Beneficial Aspects*, 1978-1981. 97 citations from AGRICOLA.

Searched by J. Rafats. April 1982. Supersedes 80-14.

NAL--Q.B.--82-07. *Cereal Straw: A Neglected By-Product*, 1970-1982. 215

citations from AGRICOLA. Searched by Henry Gilbert. April 1982.

NAL--Q.B.--82-08. *Drip and Trickle Irrigation*, 1979-1981. 217 citations

from AGRICOLA. Searched by Jayne T. MacLean. April 1982.

NAL--Q.B.--82-09. *Library Automation Bibliography*, 1969-1981. 96 citations from AGRICOLA. Searched by Charles Bebee. May 1982.

NAL--Q.B.--82-10. *The Neem Tree (Azadirachta Indica): An Inhibitor of Insect Feeding and Growth*, 1967-1981.

147 citations from AGRICOLA. Searched by Henry Gilbert. May 1982.

NAL--Q.B.--82-11. *Christmas Tree Production*, 1978-1981. 137 citations from AGRICOLA. Searched by Jerry Rafats. May 1982. Supersedes 79-36.

NAL--Q.B.--82-12. *Grain Fumigation and Fumigants*. 146 citations from AGRICOLA. Searched by Jayne T. MacLean. May 1982.

NAL--Q.B.--82-13. *Sewage and Municipal Waste Composting*, January 1979-April 1982. 61 citations from AGRICOLA. Searched by Jayne T. MacLean. May 1982.

NAL--Q.B.--82-14. *Composts and Composting of Organic Wastes*, November 1980-April 1982. 98 citations from AGRICOLA. Searched by Jayne T. MacLean. May 1982. Supersedes 80-34.

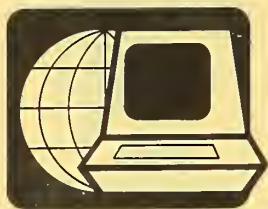
NAL--Q.B.--82-15. *Irrigation Scheduling and Modelling*, 1979-1981. 154 citations from AGRICOLA. Searched by Jayne T. MacLean. June 1982. Supersedes 80-05.

NAL--Q.B.--82-16. *Gypsy Moth: Biological Control*, 1970-1981. 274 citations from AGRICOLA. Searched by Jayne T. MacLean. June 1982.

NAL--Q.B.--82-17. *The Imported Fire Ant*, 1970-1982. 274 citations from AGRICOLA. Searched by Jayne T. MacLean. June 1982.

NAL--Q.B.--82-18. *The 1980's Outlook for U.S. and Global Agricultural Production*. 222 citations from AGRICOLA. Searched by Mary E. Lassanyi. July 1982.





AGRICOLA

A revised listing of AGRICOLA subject category codes and USDA document source codes has been prepared by the Information Systems Division (ISD). This revised list includes the new categories added in January, 1982 along with expanded scope notes and cross references. Copies of each list are available on request.

ISD has also prepared an updated list of saved searches it maintains on Dialog. The new list includes the number of descriptors retrieved on each statement. Copies are also available on request from ISD.

The new multilingual agricultural vocabulary AGROVOC developed by FAO AGRIS has just been published by Apimondia. It is available in English, French, German, Italian, and Spanish with a choice of trilingual indexes. Each monolingual structured volume sells for \$65.00. Each trilingual index volume costs \$35.00. To order, contact Apimondia, Corso Vittorio Emanuele, 101, 00186 Rome, Italy. Telex 612533 CONFAG 1.

AGRIS

The Third Technical Consultation of AGRIS Participating Centres convened in Rome, Italy, May 31-June 3, 1982. Joseph R. Judy, Chief, Information Systems Division, officially represented the National Agricultural Library (NAL). Prior to this meeting, Mr. Judy met with the AGRIS Processing Unit on May 27 in Vienna and with the AGRIS Information Division staff on May 28 in Rome. Summaries of his meetings are presented here.

AGRIS PROCESSING UNIT, VIENNA, MAY 27, 1982

Joseph Judy met with the staff of the AGRIS Processing Unit to discuss various details in the conversion programs used to convert NAL's AGRICOLA magnetic tapes over to the AGRIS processing format. A number of small problems in the conversion were resolved. AGRIS will also be supplying NAL with a magnetic tape file containing data on journals indexed in the system by countries other than the U.S. NAL will use this data to build a special serials file that will indicate which serial titles are indexed in AGRIS and in AGRICOLA. A separate file has also been requested from the Commonwealth Agricultural Bureaux so that indexing coverage can be compared in all three systems.

THIRD TECHNICAL CONSULTATION, ROME, MAY 31-JUNE 3

Over 60 countries, regional centers and international organizations had representatives attending the Consultation. Some of the highlights are summarized here.

FAO proposed that AGRIS substantially revise its subject categorization scheme and a draft was submitted for discussion. The majority of the delegates that spoke were in favor only of minor changes being made to the existing categorization scheme. The FAO AGRIS Coordinating Centre will review these proposals and submit a second draft for review in September.

A main topic for discussion was centered on implementation plans for the new AGROVOC controlled vocabulary. AGROVOC has been developed for AGRIS as a multilingual vocabulary to be used in place of the current object code system. The vocabulary is being published and distributed for FAO by Apimondia, the publisher of *Agrindex*.

The AGRIS Coordinating Centre proposed an implementation date of January 1984. Several countries wanted a delay of another year to better prepare their staff. Several delegates questioned the efficacy of imposing a controlled vocabulary on the system. The delegates from non-English speaking countries, especially those in

in Latin America and Africa, spoke strongly in favor of implementation on the date proposed. They contend that English is a major barrier both to efficient input of data and in the use of AGRIS printed and computer products. Since AGROVOC is multilingual, input and output could be tailored to the language with which users are most familiar on a country-by-country basis. AGROVOC is available on magnetic tape in addition to the printed version.

The delegates approved a new database utilization policy. This new policy should alleviate many of the problems over exclusive rights by each country. FAO is given wide authority to handle database distribution and online access.

AGRIS TAPE USERS MEETING, ROME, JUNE 4

The AGRIS database is available for online access in Europe through Euronet DIANE. NTIS is now distributing AGRIS tapes for NAL within the U.S. Over twenty countries are receiving monthly AGRIS tapes. Many are using them to provide national current awareness services and for retrospective search services. The Tape Users Group recommended that AGRIS update the list of tape users along with details on the hardware and software used.

- Joseph R. Judy, Chief, Information Systems Division, National Agricultural Library, USDA, Beltsville, MD 20705
(301) 344-3813



ASSOCIATES NAL, INC. PRESENT AWARDS

Two awards were presented at the annual meeting of The Associates of the National Agricultural Library, Inc. on July 23, 1982.

The Professional Achievement Award for 1982 was awarded jointly to J. Richard Blanchard, librarian emeritus, University of California, Davis and to Lois Farrell, librarian, Agricultural

Library, Gianninni Hall, University of California, Berkeley for their outstanding contribution to library literature with the publication of *Guide to Sources for Agricultural and Biological Research*. (Berkeley, University of California Press, 1981.)

The Citation of Special Recognition for 1982 was awarded to Harry Dewey, NAL-AID Liaison Officer for the establishment and implementation of a selective dissemination of information service, known as AID-Update, which utilizes Current Awareness Literature Service at the National Agricultural Library for the benefit of AID (Agency for International Development) missions abroad.

Robert Chartrand, Senior Information Specialist for Science Policy, Congressional Research Service, Library of Congress gave the address at the luncheon meeting held at the Holiday Inn, College Park (i.e., Beltsville). Chartrand spoke on Computer-Based Information Systems Serving Rural America, a topic of timely interest to librarians, technical information specialists, and others interested in effective dissemination and utilization of information.

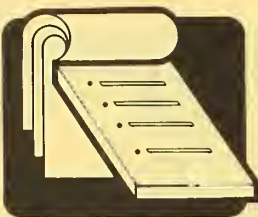
A slate of officers for 1982/83 was presented by the Nominations Committee and accepted unanimously by the membership present at the annual meeting. We are happy to report that since all of the officers for this past year were eligible for a second term, the officers remain as follows:

Orlin J. Scoville, President
Harry Dewey, Vice-President
Harry Trelogan, Treasurer
Ethel Smith, Recording Secretary

The Associates NAL, Inc. are fortunate in securing the services of these dedicated people for another year.

A Report to the Membership 1981/82 was distributed to members present and will be mailed to other members. Additional copies are available from Executive Secretary, Associates NAL, Inc., Room 1402, National Agricultural Library Building, Beltsville, MD 20705.





NEW SERIALS RECEIVED AT NAL

*Advances in Modern Environmental
Toxicology.* Princeton Junction, NJ,
Senate Press. irr. Vol. 1, 1980-
QP82.2.P6A3

Annual Review of Nutrition. Palo Alto,
CA, Annual Reviews Inc. a. Vol. 1,
1981- QP141.A1A63

*Diversity, A News Journal for the Plant
Genetic Community.* Fort Collins, CO,
Laboratory for Information Science in
Agriculture, Colorado State University.
q. Vol. 1, no. 1, Spring 1982-
SB123.3.N3

Faba Bean Abstracts. Slough, U.K.,
Commonwealth Agricultural Bureaux. m.
Vol. 1, no. 1, March 1981-
SB327.F33

*Farmland, the Newsletter of the
American Farmland Trust (AFT).*
Washington, D.C., The Trust. bi-m.
No. 1, 1982- HD256.A4F3

Indian Review of Life Sciences.
Jodhpur, India, Dept. of Botany,
University of Jodhpur. irr. Vol. 1,
1981- QH301.I545

Journal of Shellfish Research. Oxford,
MD, National Shellfisheries Associa-
tion. irr. Vol. 1, no. 1, June 1981-
SH365.A1J6

Library Systems. Chicago, The Associ-
ation. m. Vol. 1, no. 1, July 1981-
Z678.9.L4

*NPGS, National Plant Germplasm System,
Special Report.* Fort Collins, CO,
Laboratory for Information Science in
Agriculture, Colorado State University.
irr. No. 1, April 1982- SB123.3.N3



AGRISTARS EXHIBIT AT NATIONAL AGRICULTURAL LIBRARY (NAL)

"AgRISTARS," a joint program for agricul-
ture and resource inventory surveys through
aerospace remote sensing is the theme of an
exhibit at the National Agricultural
Library, Beltsville, Maryland, during July
and August.

The opening ceremony was held on July 23 at
the National Agricultural Library Building,
Beltsville, Maryland. This exhibit is
being presented by the National Agricul-
tural Library in cooperation with the
Lyndon B. Johnson Space Center in Houston,
Texas.

AgRISTARS is a cooperative effort of the
U.S. Department of Agriculture, the
National Aeronautics & Space Administra-
tion, the U.S. Department of Commerce
through its agency the National Oceanic &
Atmospheric Administration, and the U.S.
Department of Interior. In addition, the
Agency for International Development of the
U.S. Department of State participates as an
ex-officio observer and potential future
user agency.

"AgRISTARS is important and valuable to the
USDA in addressing national and interna-
tional issues on supply, demand, and
competition for food and fiber," said Dr.
Richard A. Farley, Director of the National
Agricultural Library.

The program consists of eight projects
designed to test the usefulness and cost of
aerospace remote sensing data and the
extent to which it can be effectively
integrated into existing or future USDA
systems.

Following the July 23 dedication, the
exhibit will be on view and open to the
public at the Library building from 8:00
a.m. to 4:30 p.m. daily except weekends
through August 27. The National Agricul-
tural Library is located at the Washington
Capital Beltway (exit 25-A) and U.S. Route
1 North in Beltsville, Maryland.





AGRICULTURE DATEBOOK

September 3-11: *Fourth World Congress on Water Resources Buenos Aires, Sante Fe and Parana, Argentina.* The Congress will focus on "Water for Human Consumption, Man and His Environments." Contact: Glenn E. Stout, Water Resources Center, University of Illinois, 208 N. Romine, Urbana, IL 61801. Tel: (217) 333-0536.

September 15-19: *Rural Development Technology 82, The International Exhibition of Rural Development Technology.* Showgrounds Bulawayo, Zimbabwe. Energy Power exhibits will feature biomass, firewood, hydro, solar, waste and windmills. Contact: Ken White, Showkraft Canada, Shoreacres House, Suite 77, 1262 Don Mills Road, Don Mills, Ontario M3B 2W7. Tel: (416) 445-3842; Telex: 06986185.

September 28-October 1: *Impacts of Limited Water for Agriculture in the Arid West.* Asilomar, CA. Contact: Prof. Robert M. Hagan, Dept. of Land, Air and Water Resources, University of California, Davis, CA 95616. Tel: (916) 752-0457.

October 3-8: *World Conference on Oilseed and Edible Oil Processing.* The Congress Centre, The Hague, The Netherlands. Contact: James Lyon, Exec. Director, AOCS, 508 S. Sixth Street, Champaign, IL 61820.

October 4-8: *Second World Congress on Genetics Applied to Livestock Production.* Madrid, Spain. Contact: Carlos Luis de Cuenca, Departamento de Genetica y Mejora, Facultad de Veterinaria, Ciudad Universitaria, Madrid-3, Spain.

October 11-15: *Fifth International Conference on Jojoba and Its Uses.* Tucson, University of Arizona. Contact: Conference Department, Division

of Continuing Education, University of Arizona, 1717 East Speedway, Suite 1201, Tucson, AZ 85719.

October 20-22: *Symposium on Twentieth Century Agricultural Science: Discovery, Use and Preservation.* Beltsville, MD. Contact: Alan Fusonie or Leila Moran, National Agricultural Library, Beltsville, MD 20705. Tel: (301) 344-3937.

Oct. 31-Nov. 4: *National Association of Extension 4-H Agents.* Baltimore, MD. Baltimore Hilton. Contact: Allen Ulrich, Sec., 1401 Walter Avenue, Fremont, OH 43420.

November 7-12: *U.S. Animal Health Association.* Nashville, TN. Radisson Plaza. Contact: J.C. Shook, Exec. Sec., 6924 Lakeside Avenue, Suite 205, Richmond, VA 23228.

November 14-17: *North American Symposium on Allelopathy.* University of Illinois, Urbana-Champaign campus. Contact: A.R. Gilmore, Department of Forestry, c/o Carol Holden, University of Illinois, Conferences and Institutes, 116 Illini Hall, 725 S. Wright Street, Champaign, IL 61820.

November 21-23: *Farming Systems Symposium.* Manhattan, KS. Kansas State University. Contact: Wendy J. Sheppard, Project Coordinator, International Agricultural Programs, Office of the Director, Waters Hall, Manhattan, KS 66506.


December 6-10: *National Farmers Organization.* Louisville, KY. Contact: Devon R. Woodland, Pres., 720 Davis Avenue, Corning, IA 50841.

December 6-10: *International Conference on Chemistry and World Food Supplies--The New Frontier (CHEMRAWN II).* Manila, Philippines. Contact: Joyce Torio, CHEMRAWN II Coordinating Office, International Food Policy Research Institute, 1776 Massachusetts Avenue, N.W., Washington, D.C. 20036.

December 7-9: *Sixth International Online Information Meeting.* London, England. Contact: Organizing Secretary, Online Information Meetings, Online Review, Learned Information, Besselsleigh Road,

Abingdon, Oxford OX13 6LG, England.
Tel: 0865-730275; Telex: 837704.

December 13-14: *Fourth National Drainage Symposium*. Contact: Darrell W. DeBoer, Program Chairman, Department of Agricultural Engineering, South Dakota State University, Brookings, SD 57007. Tel: (605) 688-5141.

December 13-15: *Infrastructure of an Information Society*. Co-hosted by Egyptian Society for Information Technology and American Society for Information Science. Cairo, Egypt. Contact: Dr. Bahaa El-Hadidy, ESIT/ASIS Conference Co-Chairman, Graduate School of Library and Information Science, The Catholic University of America, Washington, D.C. 20064. Tel: (202) 635-5702 or 635-5085. 

AGRICOLA WORKSHOPS


Basic level classes will be held at the following locations and dates:

September 13-17, 1982
USDA, South Agricultural Bldg.
Washington, D.C.


September 27-October 1, 1982
USDA, South Agricultural Bldg.
Washington, D.C.

November 15-19, 1982
University of Puerto Rico
Mayaguez, Puerto Rico

Persons interested in registering for the workshops or seeking additional information should submit their request on letterhead stationery to:

Educational Resources Staff, National Agricultural Library, 14th Floor, ATTN: David Hoyt, Beltsville, MD 20705.
(301) 344-3937. 

WORLD COMMUNICATIONS YEAR

As announced by the UN General Assembly the purpose is the development of communications infrastructures to increase the scope and effectiveness of communications as a force for economic and social development. Ways will be sought to use the achievements in communications technology to promote the economic, social, and cultural development of mankind as a whole. The International Telecommunications Union will be the lead agency. The year 's to be financed by voluntary contributions. For more information contact the WCY 83 Secretariat, Places des Nations, CH-1211, Geneva, Switzerland. 

Financing for community energy projects, energy efficient transportation, building codes and energy conservation - questions on these and other energy subjects can be answered by the Conservation and Renewable Energy Inquiry and Referral Service (CARIERS). CARIERS also gives referrals to organizations involved in community energy programs. They are now distributing fact sheets, booklets and other materials free while supplies last. Their technical staff will track down information that isn't covered in the publications. Contact: CARIERS, P.O. Box 8900, Silver Spring, MD 20907.

- NATaT's *National Community Reporter*, March 1982, No. 23

AGRICULTURAL LIBRARIES INFORMATION NOTES

provides a channel of communication to technical information specialists, librarians, extension workers, researchers, and scientists on agricultural information activities. It is published monthly by the U.S. Department of Agriculture, National Agricultural Library, Beltsville, MD 20705. Leila Moran, Editor. 